

SDS REPORT

Report No.: 21-05477-PS-R01

Date: June 04, 2021

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THIS REPORT IS TO SUPERSEDE REPORT NO.: 21-05477-PS.

Applicant : Beifa Group Co., Ltd.

Address : No.68 Weiliu Road,Xiaogang,Beilun,Ningbo,China.

Sample Name : DRY ERASE MARKER
(ITA01017/ITA01019/ITA30009/ITA18298/ITA18299/ITA18300
/ITA30010/ITA33308/ITA33309/ITA33310/ITA30015/ITA33311/LLR55643
/LLR55644/ITA18296/ITA18297)

Composition/Ingredient of The Sample (as per client submission) : See Section 3 on the SDS

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200, and is provided per attached.

Manufacturer : Beifa Group Co., Ltd.

Country of Origin : China

Test Report Form No. : TTRF_SDS_A

TRF Originator : TÜV AUSTRIA (SHANGHAI) CO., LTD.

Master TRF : Dated September 2019

Receiving Date : April 07, 2021

Preparation period : April 07 - June 04, 2021

Carrey Wu

Carrey Wu, Technical Director
TÜV AUSTRIA (Shanghai) Co., Ltd.



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TÜV AUSTRIA (Shanghai) Co., Ltd.

Room 12D, Orient Century Building, No.345 Xian Xia Road, Shanghai, P/C 200336, P.R. China.

Tel: 86-021- 6235 1826

E-mail: office@cn.tuvaustria.com

Web: <http://www.tuv-austria.cn>

TTRF_SDS_A

Safety Data Sheet

29 CFR 1910.1200

Printing date 06/04/2021

Reviewed on 06/04/2021

1 Identification

- **Product identifier**
- **SPR Product name:**
ITA01017/ITA01019/ITA30009/ITA18298/ITA18299/ITA18300/ITA30010/ITA33308/ITA33309/ITA33310/ITA30015/ITA33311/LLR55643/LLR55644/ITA18296/ITA18297
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** Writing
- **Details of the supplier of the safety datasheet**
- **Manufacturer/Supplier:**
Beifa Group Co.,Ltd.
No.68 weiliu road, Xiaogang, Beilun, Ningbo, China.
Tel: 15058841454/0574-56786630
Email: 446145233@qq.com
Fax: 86-574-56786259
- **Other US contact point:** Not available
- **Further information obtainable from:** Beifa Group Co.,Ltd.
- **Emergency telephone number:**
Frida
Tel: 15058841454
Poison Center
Tel: +1 800 222 1222
- **Remark:**
This sample is likely to be classified as article and is out of scope of a SDS as set out in 29 CFR Part 1910.1200. This SDS is generated for client's reference only.
This report was updated according to Certification for Safe Transport of Chemical Good (Report No.: 2021373516) issued by Shanghai Institute of Chemical Industry Testing Co., Ltd. provided by the client.

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Information concerning particular hazards for human and environment:**
The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **Label elements**
- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms** Not applicable.
- **Signal word** Not applicable.
- **Hazard-determining components of labeling:** Not applicable.
- **Hazard statements** Not applicable.
- **Precautionary statements** Not applicable.
- **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:**
For the wording of the listed hazard statements refer to Section 16.
Mixture of the substances listed below with nonhazardous additions.

- **Composition:**

9003-07-0	polypropylene	65-70%
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64-17-5	ethanol	13-16%
	 Flam. Liq. 2, H225	
25038-59-9	Polyethylene terephthalate	5-10%
67-63-0	propan-2-ol	2-5%
	 Flam. Liq. 2, H225;  Eye Irrit. 2A, H319; STOT SE 3, H336	
27214-90-0	diisooctyl sebacate	0-1%
123-95-5	butyl stearate	0-1%
103-23-1	Di-(2-ethylhexyl) adipate	0-1%
1333-86-4	Carbon Black	0-0.5%

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
Seek medical treatment.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Special protective equipment and precautions for firefighters**
- **Protective equipment:**
Mouth respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation.
Avoid formation of dust.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
- **Methods and material for containment and cleaning up:**
Pick up mechanically.
Dispose contaminated material as waste according to item 13.

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7 Handling and storage

- **Precautions for safe handling:**

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

- **Information about protection against explosions and fires:** Normal measures for preventive fire protection.

- **Conditions for safe storage, including any incompatibilities**

- **Requirements to be met by storerooms and receptacles:** Store in a cool location.

- **Information about storage in one common storage facility:** Store away from foodstuffs.

- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

64-17-5 ethanol

PEL (USA) Long-term value: 1900 mg/m³, 1000 ppm

REL (USA) Long-term value: 1900 mg/m³, 1000 ppm

TLV (USA) Short-term value: 1880 mg/m³, 1000 ppm

67-63-0 propan-2-ol

PEL (USA) Long-term value: 980 mg/m³, 400 ppm

REL (USA) Short-term value: 1225 mg/m³, 500 ppm

Long-term value: 980 mg/m³, 400 ppm

TLV (USA) Short-term value: 984 mg/m³, 400 ppm

Long-term value: 492 mg/m³, 200 ppm

BEI

123-95-5 butyl stearate

TLV (USA) Long-term value: 10* 3** mg/m³
Fraction: *inhalable **respirable

1333-86-4 Carbon Black

PEL (USA) Long-term value: 3.5 mg/m³

REL (USA) Long-term value: 3.5* mg/m³

*0.1 in presence of PAHs; See Pocket Guide Apps.A+C

TLV (USA) Long-term value: 3* mg/m³

*inhalable fraction

- **Regulatory information**

PEL (USA): Guide to Occupational Exposure Values (OSHA PELs)

REL (USA): Guide to Occupational Exposure Values (NIOSH RELs)

TLV (USA): Guide to Occupational Exposure Values (TLV)

- **Ingredients with biological limit values:**

67-63-0 propan-2-ol

BEI (USA) 40 mg/L

Medium: urine

Time: end of shift at end of workweek

Parameter: Acetone (background, nonspecific)

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**

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- **Appropriate engineering controls:** See Section 7 for information about design of technical facilities.
- **Personal protective equipment**
- **Breathing equipment:** Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Solid
Color:	Black
Odor:	Odorless
Odor threshold:	Not available.

- **pH-value:** Not available.

- **Change in condition**

Melting point/Melting range:	Not available.
Freezing point:	Not available.
Boiling point/Boiling range:	Not available.

- **Flash point:** Not available.

- **Flammability (solid, gaseous):** Not available.

- **Auto-Ignition temperature:** Not available.

- **Decomposition temperature:** Not available.

- **Explosion limits:**

Lower:	Not available.
Upper:	Not available.

- **Vapor pressure:** Not available.

- **Density:** Not available.

- **Relative density** Not available.

- **Vapor density** Not available.

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- | | |
|---|--|
| · Evaporation rate | Not available. |
| · Solubility in / Miscibility with Water: | Not available. |
| · Partition coefficient (n-octanol/water): | Not available. |
| · Viscosity: | |
| Dynamic: | Not available. |
| Kinematic: | Not available. |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity** No decomposition if used according to specifications.
- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity**

- **LD/LC50 values that are relevant for classification:**

64-17-5 ethanol

Oral	LD50	7,060 mg/kg (rat)
Inhalative	LC50/4 h	20,000 mg/l (rat)

67-63-0 propan-2-ol

Oral	LD50	5,045 mg/kg (rat)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)

123-95-5 butyl stearate

Oral	LD50	32,000 mg/kg (rat)
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103-23-1 Di-(2-ethylhexyl) adipate

Oral	LD50	9,110 mg/kg (rat)
Dermal	LD50	8,410 mg/kg (rabbit)

1333-86-4 Carbon Black

Oral	LD50	15,400 mg/kg (rat)
Dermal	LD50	3,000 mg/kg (rabbit)

- **Primary irritant effect**
- **Skin corrosion/irritation:** Irritating effect possible.
- **Serious eye damage/irritation:** Irritating effect possible.
- **Respiratory or skin sensitisation:** Sensitization possible.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations.

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· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

9003-07-0	polypropylene	3
64-17-5	ethanol	1
67-63-0	propan-2-ol	3
103-23-1	Di-(2-ethylhexyl) adipate	3
1333-86-4	Carbon Black	2B

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· UN-Number	
· DOT, IMDG, IATA	Not applicable.
· UN proper shipping name	
· DOT, IMDG, IATA	Not applicable.
· Transport hazard class(es)	
· DOT, IMDG, IATA	
· Class	Not applicable.
· Packing group	
· DOT, IMDG, IATA	Not applicable.
· Environmental hazards	Not applicable.
· Special precautions for user	Not applicable.

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- | | |
|--|--|
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |
| · UN "Model Regulation": | Not applicable. |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

67-63-0 | propan-2-ol

103-23-1 | Di-(2-ethylhexyl) adipate

- **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

- **Proposition 65**

- **Chemicals known to cause cancer:**

1333-86-4 | Carbon Black

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

64-17-5 | ethanol

- **New Jersey Right-to-Know List:**

64-17-5 | ethanol

67-63-0 | propan-2-ol

103-23-1 | Di-(2-ethylhexyl) adipate

1333-86-4 | Carbon Black

- **New Jersey Special Hazardous Substance List:**

64-17-5 | ethanol

CA, MU, TE, F3

67-63-0 | propan-2-ol

F3

103-23-1 | Di-(2-ethylhexyl) adipate

CA

1333-86-4 | Carbon Black

CA

- **Pennsylvania Right-to-Know List:**

64-17-5 | ethanol

67-63-0 | propan-2-ol

103-23-1 | Di-(2-ethylhexyl) adipate

- **Pennsylvania Special Hazardous Substance List:**

67-63-0 | propan-2-ol

E

103-23-1 | Di-(2-ethylhexyl) adipate

E

- **Cancerogenity categories**

- **EPA (Environmental Protection Agency):**

103-23-1 | Di-(2-ethylhexyl) adipate

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· **TLV (Threshold Limit Value established by ACGIH):**

64-17-5	ethanol	A3
67-63-0	propan-2-ol	A4
1333-86-4	Carbon Black	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

1333-86-4	Carbon Black
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· **National regulations**

· **Additional classification according to Decree on Hazardous Materials:**

· **REACH Regulation Annex XVII Restriction**

See Section 16 for information about restriction of use.

None of the ingredients is listed.

· **REACH Regulation Annex XIV Authorisation List**

None of the ingredients is listed.

16 Other information

· **Relevant phrases**

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

· *****

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

· **Date of preparation / last revision 06/04/2021 /-**

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods DOT:

US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50:

Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· *****

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